What is claimed is:

1. A method for diagnosing or aiding in the diagnosis of a vascular disease or disorder in a subject comprising the steps of determining the THBS2, ACE, and FGB genetic profile of the subject, thereby diagnosing or aiding in the diagnosis of a vascular disease or disorder.

2. The method of claim 1, wherein determining the subject's THBS2 genetic profile comprises determining the identity of the nucleotide present at nucleotide position 3949 and/or 4476 of SEQ ID NO:1, or the complement thereof.

3. The method of claim 1, wherein determining the subject's ACE genetic profile comprises determining the identity of the nucleotide present at nucleotide position 86408 of SEQ ID NO:3, or the complement thereof.

4. The method of claim 1, wherein determining the subject's FGB genetic profile comprises determining the identity of the nucleotide present at nucleotide position 5119 and/or 8059 of SEQ ID NO:5, or the complement thereof.

5. The method of claim 1, wherein determining the subject's FGB genetic profile comprises determining the identity of the amino acid present at amino acid residue 478 of SEQ ID NO:6.

6. The method of claim 1, wherein the vascular disease is myocardial infarction.

7. The method of claim 1, wherein the vascular disease is coronary artery disease.

8. A method for predicting the likelihood that a subject will or will not develop a

vascular disease or disorder comprising the steps of determining the THBS2, ACE, and FGB genetic profile of the subject, thereby predicting the likelihood that a subject will or will not develop a vascular disease or disorder.

9. The method of claim 8, wherein determining the subject's THBS2 genetic profile comprises determining the identity of the nucleotide present at nucleotide position 3949 and/or 4476 of SEQ ID NO:1, or the complement thereof.

10. The method of claim 8, wherein determining the subject's ACE genetic profile comprises determining the identity of the nucleotide present at nucleotide position 86408 of SEQ ID NO:3, or the complement thereof.

11. The method of claim 8, wherein determining the subject's FGB genetic profile comprises determining the identity of the nucleotide present at nucleotide position 5119 and/or 8059 of SEQ ID NO:5, or the complement thereof.

12. The method of claim 8, wherein determining the subject's FGB genetic profile comprises determining the identity of the amino acid present at amino acid residue 478 of SEQ ID NO:6.

13. The method of claim 8, wherein the vascular disease is myocardial infarction.

14. The method of claim 8, wherein the vascular disease is coronary artery disease.

15. A method of diagnosing or aiding in the diagnosis of a vascular disease in a subject comprising the steps of determining the nucleotide present at nucleotide position 3949 and/or 4476 of SEQ ID NO:1, wherein the presence of two copies of a cytidine allele at nucleotide position 3949 of SEQ ID NO:1 together with two copies of a thymidine allele at

nucleotide position 4476 of SEQ ID NO:1, or the complements thereof, and/or the presence of two copies of a thymidine allele at nucleotide position 3949 of SEQ ID NO:1 together with two copies of a guanine allele at nucleotide position 4476 of SEQ ID NO:1, or the complements thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

16. The method of claim 15, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

17. A method of diagnosing or aiding in the diagnosis of a vascular disease in a subject comprising the steps of determining the nucleotide present at nucleotide position 86408 of SEQ ID NO:3, wherein the presence of one copy of an adenine allele and one copy of a guanine allele at nucleotide position 3949 of SEQ ID NO:1, or the complement thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

18. The method of claim 17, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

19. A method of diagnosing or aiding in the diagnosis of a vascular disease in a subject comprising the steps of determining the nucleotide present at nucleotide position 5119 of SEQ ID NO:5, wherein the presence of two copies of a thymidine allele at position 5119 or the presence of one copy of a thymidine allele and one copy of a cytidine allele at position 5119, or the complements thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

20. The method of claim 19, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

21. A method of diagnosing or aiding in the diagnosis of a vascular disease in a subject comprising the steps of determining the nucleotide present at nucleotide position 8059 of SEQ ID NO:5, wherein the presence of two copies of an adenine allele at position 8059 or the presence of one copy of an adenine allele and one copy of a guanine allele at position 8059, or the complements thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

22. The method of claim 21, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

23. The method of any one of claims 15, 17, 19, or 21, wherein the vascular disease is selected from the group consisting of atherosclerosis, coronary artery disease, myocardial infarction, ischemia, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism.

24. The method of claim 23, wherein the vascular disease is myocardial infarction.

25. The method of claim 23, wherein the vascular disease is coronary artery disease.

26. A method for predicting the likelihood that a subject will or will not develop a vascular disease, comprising the steps of determining the nucleotide present at nucleotide position 3949 and/or 4476 of SEQ ID NO:1, wherein the presence of two copies of a cytidine allele at nucleotide position 3949 of SEQ ID NO:1 together with two copies of a thymidine allele at nucleotide position 4476 of SEQ ID NO:1, or the complements thereof, and/or the

presence of two copies of a thymidine allele at nucleotide position 3949 of SEQ ID NO:1 together with two copies of a guanine allele at nucleotide position 4476 of SEQ ID NO:1, or the complements thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

27. The method of claim 26, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

28. A method for predicting the likelihood that a subject will or will not develop a vascular disease, comprising the steps of determining the nucleotide present at nucleotide position 86408 of SEQ ID NO:3, wherein the presence of one copy of an adenine allele and one copy of a guanine allele at nucleotide position 3949 of SEQ ID NO:1, or the complement thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

29. The method of claim 28, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

30. A method for predicting the likelihood that a subject will or will not develop a vascular disease, comprising the steps of determining the nucleotide present at nucleotide position 5119 of SEQ ID NO:5, wherein the presence of two copies of a thymidine allele at position 5119 or the presence of one copy of a thymidine allele and one copy of a cytidine allele at position 5119, or the complements thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

31. The method of claim 30, wherein determining the identity of the nucleotides

is by obtaining a nucleic acid sample from the subject.

32. A method for predicting the likelihood that a subject will or will not develop a vascular disease, comprising the steps of determining the nucleotide present at nucleotide position 8059 of SEQ ID NO:5, wherein the presence of two copies of an adenine allele at position 8059 or the presence of one copy of an adenine allele and one copy of a guanine allele at position 8059, or the complements thereof, is indicative of decreased likelihood of a vascular disease in the subject as compared with a subject having any other combination of these alleles.

33. The method of claim 32, wherein determining the identity of the nucleotides is by obtaining a nucleic acid sample from the subject.

34. The method of any one of claims 26, 28, 30, or 32, wherein the vascular disease is selected from the group consisting of atherosclerosis, coronary artery disease, myocardial infarction, ischemia, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism.

35. The method of claim 34, wherein the vascular disease is myocardial infarction.

36. The method of claim 34, wherein the vascular disease is coronary artery disease.

37. A computer readable medium for storing instructions for performing a computer implemented method for determining whether or not a subject has a predisposition to a vascular disease or disorder, said instructions comprising the functionality of:

obtaining information from the subject indicative of the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, and

based on the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, determining whether or not the subject has a predisposition to a vascular disease or disorder.

38. A computer readable medium for storing instructions for performing a computer implemented method for identifying a predisposition to a vascular disease or disorder, said instructions comprising the functionality of:

obtaining information regarding the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, and

based on the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, identifying a predisposition to a vascular disease or disorder.

39. An electronic system comprising a processor for determining whether or not a subject has a predisposition to a vascular disease or disorder, said processor implementing the functionality of:

obtaining information from the subject indicative of the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, and

based on the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, determining whether or not the subject has the predisposition to a vascular disease or disorder.

40. An electronic system comprising a processor for performing a method for identifying a predisposition to a vascular disease or disorder in a subject, said processor implementing the functionality of:

obtaining information from the subject indicative of the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, and

based on the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, performing a method for identifying a predisposition to a vascular disease or disorder associated with the polymorphic region.

41. The electronic system of claims 39 or 40, wherein said processor further implements the functionality of receiving phenotypic information associated with the subject.

42. The electronic system of claims 39 or 40, wherein said processor further implements the functionality of acquiring from a network phenotypic information associated with the subject.

43. A network system for identifying a predisposition to a vascular disease or disorder in response to information submitted by an individual, said system comprising means for:

receiving data from the individual regarding the presence or absence of the polymorphic region of a THBS2, ACE, and/or FGB gene, and

based on the presence or absence of the polymorphic region, determining whether or not the subject has the predisposition to the vascular disease or disorder associated with the polymorphic region.

44. A network system for identifying whether or not a subject has a predisposition to a vascular disease or disorder, said system comprising means for:

receiving information from the subject regarding the polymorphic region of a THBS2, ACE, and/or FGB gene,

receiving phenotypic information associated with the subject,

acquiring additional information from the network, and

based on one or more of the phenotypic information, the polymorphic region, and the acquired information, determining whether or not the subject has a pre-disposition to a vascular disease or disorder associated with a polymorphic region of a THBS2, ACE, and/or FGB gene.

45. The system of claims 43 and 44, wherein the network system comprises a server and a work station operatively connected to said server via the network.

46. A composition comprising an isolated nucleic acid molecule comprising the nucleotide sequence set forth in SEQ ID NO:1, or a portion thereof, wherein residue 3949 is a cytidine, or the complement thereof, in combination with an isolated nucleic acid molecule comprising the nucleotide sequence set forth in SEQ ID NO:1, or a portion thereof, wherein residue 4476 is a thymidine, or the complement thereof.

47. A composition comprising an isolated nucleic acid molecule comprising the nucleotide sequence set forth in SEQ ID NO:1, or a portion thereof, wherein residue 3949 is a thymidine, or the complement thereof, in combination with an isolated nucleic acid molecule comprising the nucleotide sequence set forth in SEQ ID NO:1, or a portion thereof, wherein residue 4476 is a guanine, or the complement thereof.

48. A composition comprising an isolated nucleic acid molecule comprising the nucleotide sequence set forth in SEQ ID NO:3, or a portion thereof, wherein residue 86408 is a guanine, or the complement thereof.

49. A composition comprising an isolated nucleic acid molecule comprising the nucleotide sequence set forth in SEQ ID NO:5, or a portion thereof, wherein residue 8059 is an adenine, or the complement thereof.

50. A kit comprising probes or primers which are capable of hybridizing to the nucleic acid molecules of any of claims 46-49.

51. The kit of claim 50, wherein the probes or primers comprise a nucleotide sequence from about 15 to about 30 nucleotides.

52. The kit of claim 50, wherein the probes or primers are labeled.

53. A method for determining the identity of one or more allelic variants of a polymorphic region of a THBS2, ACE, and/or a FGB gene in a nucleic acid obtained from a subject, comprising contacting a sample nucleic acid from the subject with a probe or primer having a sequence which is complementary to a THBS2, ACE, and/or a FGB gene sequence, wherein the sample comprises a THBS2, ACE, and/or a FGB gene, thereby determining the identity of one or more of the allelic variants.

54. The method of claim 53, wherein the probes or primers are capable of hybridizing to an allelic variant of a polymorphic region of a THBS2, ACE, or FGB gene.

55. The method of claim 54, wherein determining the identity of the allelic variant comprises determining the identity of at least one nucleotide of the polymorphic region of a THBS2, ACE, or FGB gene.

56. The method of claim 55, wherein determining the identity of the allelic variant consists of determining the nucleotide content of the polymorphic region.

57. The method of claim 55, wherein determining the nucleotide content comprises sequencing the nucleotide sequence.

58. The method of claim 55, wherein determining the identity of the allelic variant comprises performing a restriction enzyme site analysis.

59. The method of claim 55, wherein determining the identity of the allelic variant is carried out by single-stranded conformation polymorphism.

60. The method of claim 55, wherein determining the identity of the allelic

variant is carried out by allele specific hybridization.

61. The method of claim 55, wherein determining the identity of the allelic variant is carried out by primer specific extension.

62. The method of claim 55, wherein determining the identity of the allelic variant is carried out by an oligonucleotide ligation assay.

63. The method of claim 55, wherein the probe or primer comprises a nucleotide sequence from about 15 to about 30 nucleotides.

64. An Internet-based method for assessing a subject's risk for vascular disease, the method comprising:

a) analyzing biological information from a subject indicative of the presence or absence of a polymorphic region of THBS2, ACE, and/or FGB;

b) providing results of the analysis to the subject via the Internet, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease.

65. A method of assessing a subject's risk for vascular disease, the method comprising:

a) obtaining biological information from the individual;

b) analyzing the information to obtain the subject's THBS2, ACE, and/or FGB genetic profile;

c) representing the THBS2, ACE, and/or FGB genetic profile information as digital genetic profile data;

d) electronically processing the THBS2, ACE, and/or FGB digital genetic profile data to generate a risk assessment report for vascular disease, wherein the presence of a

polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease; and

e) displaying the risk assessment report on an output device.

66. A method of assessing a subject's risk for vascular disease, the method comprising:

a) obtaining the subject's THBS2, ACE, and/or FGB genetic profile information as digital genetic profile data;

b) electronically processing the THBS2, ACE, and/or FGB digital genetic profile data to generate a risk assessment report for vascular disease, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease; and

c) displaying the risk assessment report on an output device.

67. The method of claims 65 or 66, further comprising the step of using the risk assessment report to provide medical advice.

68. The method of claims 65 or 66, wherein additional health information is provided.

69. The method of claim 68, wherein the additional health information comprises information regarding one or more of age, sex, ethnic origin, diet, sibling health, parental health, clinical symptoms, personal health history, blood test data, weight, and alcohol use, drug use, nicotine use, and blood pressure.

70. The method of claim 66, wherein the THBS2, ACE, and/or FGB digital genetic profile data are transmitted via a communications network to a medical information system for processing.

71. The method of claim 70, wherein the communications network is the Internet.

72. A medical information system for assessing a subject's risk for vascular disease comprising:

a) means for obtaining biological information from the individual to obtain a THBS2, ACE, and/or FGB genetic profile;

b) means for representing the THBS2, ACE, and/or FGB genetic profile as digital molecular data;

c) means for electronically processing the THBS2, ACE, and/or FGB digital genetic profile to generate a risk assessment report for vascular disease; and

d) means for displaying the risk assessment report on an output device, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease.

73. A medical information system for assessing a subject's risk for vascular disease comprising:

a) means for representing the subject's THBS2, ACE, and/or FGB genetic profile data as digital molecular data;

b) means for electronically processing the THBS2, ACE, and/or FGB digital genetic profile to generate a risk assessment report for vascular disease; and

c) means for displaying the risk assessment report on an output device, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease.

74. A computerized method of providing medical advice to a subject comprising:

a) analyzing biological information from a subject to determine the subject's THBS2, ACE, and/or FGB genetic profile;

b) based on the subject's THBS2, ACE, and/or FGB genetic profile, determining the subject's risk for vascular disease;

c) based on the subject's risk for vascular disease, electronically providing medical advice to the subject.

75. A computerized method of providing medical advice to a subject comprising:

a) based on the subject's THBS2, ACE, and/or FGB genetic profile, determining the subject's risk for vascular disease;

b) based on the subject's risk for vascular disease, electronically providing medical advice to the subject.

76. The method of any of claims 74 or 75, wherein the medical advice comprises one or more of the group consisting of further diagnostic evaluation, administration of medication, or lifestyle change.

77. The method of claims 74 or 75, wherein additional health information is obtained from the subject.

78. The method of claim 77, wherein the additional health information comprises information regarding one or more of age, sex, ethnic origin, diet, sibling health, parental health, clinical symptoms, personal health history, blood test data, weight, and alcohol use, drug use, nicotine use, and blood pressure.

79. A method for self-assessing risk for a vascular disease comprising

a) providing biological information for genetic analysis;

b) accessing an electronic output device displaying results of the genetic analysis, thereby self-assessing risk for a vascular disease, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease.

80. A method for self-assessing risk for a vascular disease comprising accessing

an electronic output device displaying results of a genetic analysis of a biological sample, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease, thereby self-assessing risk for a vascular disease.

81. A method of self-assessing risk for vascular disease, the method comprising

a) providing biological information;

b) accessing THBS2, ACE, and/or FGB digital genetic profile data obtained from the biological information, the THBS2, ACE, and/or FGB digital genetic profile data being displayed via an output device, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease.

82. A method of self-assessing risk for vascular disease, the method comprising accessing THBS2, ACE, and/or FGB digital genetic profile data obtained from biological information, the THBS2, ACE, and/or FGB digital genetic profile data being displayed via an output device, wherein the presence of a polymorphic region of THBS2, ACE, and/or FGB indicates a decreased risk for vascular disease.

83. The method of claims 81 or 82, wherein the electronic output device is accessed via the Internet.

84. The method of claims 81 or 82, wherein additional health information is provided.

85. The method of claim 84, wherein the additional health information comprises information regarding one or more of age, sex, ethnic origin, diet, sibling health, parental health, clinical symptoms, personal health history, blood test data, weight, and alcohol use, drug use, nicotine use, and blood pressure.

86. The method of any of claims 79, 80, 81, or 82, wherein the biological information is obtained from a sample from an individual at a laboratory company.

87. The method of claim 86, wherein the laboratory company processes the biological sample to obtain THBS2, ACE, and/or FGB genetic profile data, represents at least some of the THBS2, ACE, and/or FGB genetic profile data as digital genetic profile data, and transmits the THBS2, ACE, and/or FGB digital genetic profile data via a communications network to a medical information system for processing.

88. The method of any of claims 79, 80, 81, or 82, wherein the biological information is obtained from a sample from an individual at a draw station, wherein the draw station processes the biological sample to obtain THBS2, ACE, and/or FGB genetic profile data, and transfers the data to a laboratory company.

89. The method of claim 88, wherein the laboratory company represents at least some of the THBS2, ACE, and/or FGB genetic profile data as digital genetic profile data, and transmits the THBS2, ACE, and/or FGB digital genetic profile data via a communications network to a medical information system for processing.

90. A method for a health care provider to generate a personal health assessment report for an individual, the method comprising counseling the individual to provide a biological sample; authorizing a draw station to take a biological sample from the individual and transmit molecular information from the sample to a laboratory company, wherein the molecular information comprises the presence or absence of a polymorphic region of THBS2, ACE, and/or FGB; requesting the laboratory company to provide digital molecular data corresponding to the molecular information to a medical information system to electronically process the digital molecular data and digital health data obtained from the individual to generate a health assessment report; receiving the health assessment report from the medical information system; and providing the health assessment report to the individual.

91. A method for a health care provider to generate a personal health assessment report for an individual, the method comprising requesting a laboratory company to provide digital molecular data corresponding to the molecular information derived from a biological sample from the individual to a medical information system to electronically process the digital molecular data and digital health data obtained to generate a health assessment report; receiving the health assessment report from the medical information system; and providing the health assessment report to the individual.

92. A method of assessing the health of an individual, the method comprising: obtaining health information from the individual using an input device; representing at least some of the health information as digital health data; obtaining biological information from the individual, wherein the information comprises the presence or absence of a polymorphic region of THBS2, ACE, and/or FGB; representing at least some of the information as digital molecular data; electronically processing the digital molecular data and digital health data to generate a health assessment report; and displaying the health assessment report on an output device.

93. The method of claim 92, wherein electronically processing the digital molecular data and digital health data to generate a health assessment report comprises using the digital molecular data and digital health data as inputs for an algorithm or a rule-based system that determines whether the individual is at risk for a specific disorder.

94. The method of claim 92, wherein the individual has or is at risk of developing vascular disease, and wherein electronically processing the digital molecular data and digital health data to generate a health assessment report comprises using the digital molecular data and digital health data as inputs for an algorithm or a rule-based system that determines the individual's prognosis.

95. The method of claim 92, wherein electronically processing the digital molecular data and digital health data comprises using the digital molecular data and digital health data as inputs for an algorithm or a rule-based system based on one or more databases comprising stored digital molecular data and/or digital health data relating to one or more disorders.

96. The method of claim 92, wherein electronically processing the digital molecular data and digital health data comprises using the digital molecular data and digital health data as inputs for an algorithm or a rule-based system based on one or more databases comprising (i) stored digital molecular data and/or digital health data from a plurality of healthy individuals, and (ii) stored digital molecular data and/or digital health data from one or more pluralities of unhealthy individuals, each plurality of individuals having a specific disorder.

97. The method of either of claims 95 or 96, wherein at least one of the databases is a public database.

98. The method of claim 92, wherein the digital health data and digital molecular data are transmitted via a communications network to a medical information system for processing.

99. The method of claim 98, wherein the communications network is the Internet.

100. The method of claim 98, wherein the input device is a keyboard, touch screen, hand-held device, telephone, wireless input device, or interactive page on a website.

101. The method of claim 92, wherein the health assessment report comprises a digital molecular profile of the individual.

102. The method of claim 92, wherein the health assessment report comprises a digital health profile of the individual.

103. The method of claim 92, wherein the molecular data comprises nucleic acid sequence data, and the molecular profile comprises a genetic profile.

104. The method of claim 92, wherein the molecular data comprises protein sequence data, and the molecular profile comprises a proteomic profile.

105. The method of claim 92, wherein the molecular data comprises information regarding one or more of the absence, presence, or level, of one or more specific proteins, polypeptides, chemicals, cells, organisms, or compounds in the individual's biological sample.

106. The method of claim 92, wherein the health information comprises information relating to one or more of age, sex, ethnic origin, diet, sibling health, parental health, clinical symptoms, personal health history, blood test data, weight, and alcohol use, drug use, nicotine use, and blood pressure.

107. The method of claim 92, wherein the health information comprises current and historical health information.

108. The method of claim 92, further comprising obtaining a second set of biological information at a time after obtaining the first set of biological information; processing the second set of biological information to obtain a second set of information; representing at least some of the second set of information as digital second molecular data; and processing the molecular data and second molecular data to generate a health assessment report.

109. The method of claim 108, further comprising obtaining second health information at a time after obtaining the health information; representing at least some of the second health information as digital second health data and processing the molecular data, health data, second molecular data, and second health data to generate a health assessment report.

110. The method of claim 92, wherein the health assessment report provides information about the individual's predisposition for vascular disease and options for risk reduction.

111. The method of claim 110, wherein the options for risk reduction comprise one or more of diet, exercise, one or more vitamins, one or more drugs, cessation of nicotine use, and cessation of alcohol use.

112. The method of claim 85, wherein the health assessment report provides information about treatment options for a particular disorder.

113. The method of claim 107, wherein the treatment options comprise one or more of diet, one or more drugs, physical therapy, and surgery.

114. The method of claim 85, wherein the health assessment report provides information about the efficacy of a particular treatment regimen and options for therapy adjustment.

115. The method of claim 85, further comprising storing the molecular data.

116. The method of claim 115, further comprising building a database of stored molecular data from a plurality of individuals.

117. The method of claim 92, further comprising storing the molecular data and health data.

118. The method of claim 117, further comprising building a database of stored molecular data and health data from a plurality of individuals.

119. The method of claim 118, further comprising building a database of stored digital molecular data and/or digital health data from a plurality of healthy individuals, and stored digital molecular data and/or digital health data from one or more pluralities of unhealthy individuals, each plurality of individuals having a specific disorder.